

10/581237

AP3 Rec'd PCT/PTO 02 JUN 2005
Attorney Docket No. 2003P0187YWOUS

UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ralf Hochhausen et al
Application Number: Unassigned
Filing Date: Concurrently Herewith
Group Art Unit:
Examiner:
Title: DETERMINING THE POSITION OF THE ROTOR IN AN ELECTRIC MOTOR

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. 1.98, I am submitting a completed "INFORMATION DISCLOSURE STATEMENT BY APPLICANTS" (*Form PTO/SB/08A*) with patents and/or publications as delineated therein attached.

JP8-70564 discloses a rotational frequency detection mechanism is provided in the control circuit of a brushless motor, and when the rotational speed of the motor conforms to the rated frequency, a PLL synchronizing signal is outputted from the side of a control circuit. A user can judge whether it is at the time of rated operation or the time of start operation, making use of this PLL synchronizing signal 5. An analog switch 6 consists of a contact 9 and a contact 6, and it switches the contacts a and b, depending upon whether it is a high-level signal at start or a low-level signal at stationary operation, and varies the output level of a Hall element between the time of start and the time of stationary operation. Hereby, the largest torque can be obtained at start, and the rated current is low at stationary operation, and this can be operated with low noise.

If no translation of pertinent portions of any foreign language patents or publications mentioned within the "INFORMATION DISCLOSURE STATEMENT BY APPLICANTS" is included with the aforementioned copies of those applications, patents and/or publications, it is because no existing translation is readily available to the Applicants. As per the Notice in

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application publications are submitted for this application which was filed after June 30, 2003.

Respectfully submitted



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June 2, 2006

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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	Unassigned
Filing Date	Concurrently Herewith
First Named Inventor	Ralf Hochhausen et al
Art Unit	
Examiner Name	
Attorney Docket Number	2003P01871WOUS

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (If known)				
		EP 0 802 622	10/22/1997	Yoshihiro Fujisaki et al		✓
		EP 0 893 877	01/27/1999	David Klaffenbach et al		✓
		WO 97/08818	03/06/1997	Michael J. Werson		✓
		JP8-70564	03/12/1996	Eiji Miyamoto		
		International Search Report PCT/EP2004/053348				

Examiner Signature		Date Considered
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***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Code of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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